

METHOD AND SYSTEM FOR TRANSFERRING DATA BETWEEN A
REQUESTING PROGRAM AND A HARDWARE DEVICE

ABSTRACT

Transferring data between a requesting program and a hardware device.

- 5 An program requests a pre-allocation of non-pageable memory. The program requests a transfer via a direct memory access (DMA) from the hardware device into the non-pageable memory. The requesting program is notified when the DMA is complete. The requesting program reads the data from the non-pageable memory. A determination may be made whether a range of addresses specified in
- 10 the DMA request is within the pre-allocated range of non-pageable memory. If the range of addresses is within the pre-allocated non-pageable memory, the data transfer involves fewer transfers between system memory and the CPU than if the range of addresses is outside the pre-allocated non-pageable memory.